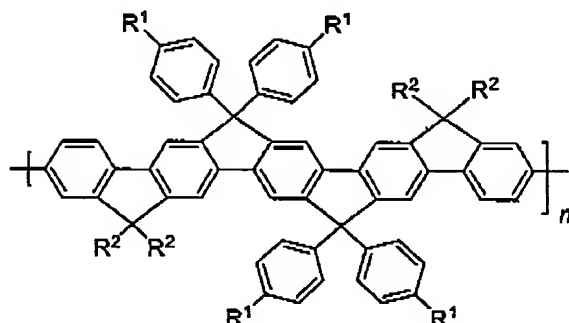


## Amendments to the Claims

1. (Currently Amended) A polymer having the structure:



wherein:

R<sup>1</sup> is the same or different at each occurrence and is selected from hydrogen, C<sub>1</sub>-C<sub>20</sub> alkyl, C<sub>2</sub>-C<sub>20</sub> alkenyl, C<sub>2</sub>-C<sub>20</sub> alkynyl, C<sub>1</sub>-C<sub>20</sub> alkoxy, C<sub>1</sub>-C<sub>20</sub> oxyalkyl, C<sub>2</sub>-C<sub>20</sub> oxyalkenyl, C<sub>2</sub>-C<sub>20</sub> oxyalkynyl, C<sub>1</sub>-C<sub>20</sub> fluorinated alkyl, C<sub>2</sub>-C<sub>20</sub> fluorinated alkenyl, C<sub>1</sub>-C<sub>20</sub> fluorinated oxyalkyl, C<sub>2</sub>-C<sub>20</sub> fluorinated oxyalkenyl, C<sub>2</sub>-C<sub>20</sub> fluorinated oxyalkynyl, aryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroaryl, -CN, -OR<sup>3</sup>, -CO<sub>2</sub>R<sup>3</sup>, -SR<sup>3</sup>, -N(R<sup>3</sup>)<sub>2</sub>, -P(R<sup>3</sup>)<sub>2</sub>, -SOR<sup>3</sup>, -SO<sub>2</sub>R<sup>3</sup>, and -NO<sub>2</sub>; or adjacent R groups together can form a 5- or 6-membered cycloalkyl, aryl, or heteroaryl ring;

R<sup>2</sup> is the same or different at each occurrence and is selected from C<sub>1</sub>-C<sub>20</sub> alkyl, C<sub>2</sub>-C<sub>20</sub> alkenyl, C<sub>2</sub>-C<sub>20</sub> alkynyl, C<sub>1</sub>-C<sub>20</sub> alkoxy, C<sub>1</sub>-C<sub>20</sub> oxyalkyl, C<sub>2</sub>-C<sub>20</sub> oxyalkenyl, C<sub>2</sub>-C<sub>20</sub> oxyalkynyl, C<sub>1</sub>-C<sub>20</sub> fluorinated alkyl, C<sub>2</sub>-C<sub>20</sub> fluorinated alkenyl, C<sub>1</sub>-C<sub>20</sub> fluorinated oxyalkyl, C<sub>2</sub>-C<sub>20</sub> fluorinated oxyalkenyl, C<sub>2</sub>-C<sub>20</sub> fluorinated oxyalkynyl, heteroalkyl, heteroalkenyl, heteroalkynyl, -CN, -OR<sup>3</sup>, -CO<sub>2</sub>R<sup>3</sup>, -SR<sup>3</sup>, -N(R<sup>3</sup>)<sub>2</sub>, -P(R<sup>3</sup>)<sub>2</sub>, -SOR<sup>3</sup>, -SO<sub>2</sub>R<sup>3</sup>, and -NO<sub>2</sub>; or adjacent R<sup>2</sup> groups together can form a 5- or 6-membered cycloalkyl or heterocycloalkyl ring, and

R<sup>3</sup> is a substituent on a heteroatom which can be the same or different at each occurrence and is selected from hydrogen, alkyl, aryl, heteroalkyl and heteroaryl;

and at least one second monomeric unit comprising an aromatic group.

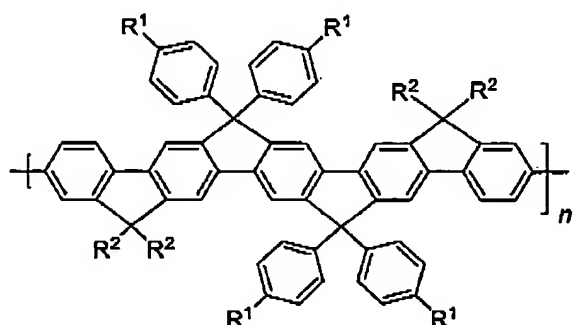
2. (Original) A polymer according to Claim 1, wherein n is greater than 10.
3. (Original) A polymer according to Claim 1, wherein R<sup>1</sup> is a C<sub>1</sub>-C<sub>20</sub> alkyl.
4. (Original) A polymer according to Claim 1, wherein R<sup>2</sup> is a C<sub>1</sub>-C<sub>20</sub> alkyl.

Application No.: 10/696,058  
 Docket No.: UC0349NA

Page 8

5. (Currently Amended) A polymer according to Claim 1, wherein the polymer has an emission maximum less than 500 nm, and wherein the emission maximum is a wavelenth at which maximum intensity of electroluminesence is obtained in a diode structure.

6. (Currently Amended) An electronic device comprising an active layer positioned between two electrical contact layers, wherein the active layer comprises a polymer having the structure:



wherein:

$R^1$  is the same or different at each occurrence and is selected from hydrogen,  $C_1$ - $C_{20}$  alkyl,  $C_2$ - $C_{20}$  alkenyl,  $C_2$ - $C_{20}$  alkynyl,  $C_1$ - $C_{20}$  alkoxy,  $C_1$ - $C_{20}$  oxyalkyl,  $C_2$ - $C_{20}$  oxyalkenyl,  $C_2$ - $C_{20}$  oxyalkynyl,  $C_1$ - $C_{20}$  fluorinated alkyl,  $C_2$ - $C_{20}$  fluorinated alkenyl,  $C_1$ - $C_{20}$  fluorinated oxyalkyl,  $C_2$ - $C_{20}$  fluorinated oxyalkenyl,  $C_2$ - $C_{20}$  fluorinated oxyalkynyl, aryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroaryl, -CN, -OR<sup>3</sup>, -CO<sub>2</sub>R<sup>3</sup>, -SR<sup>3</sup>, -N(R<sup>3</sup>)<sub>2</sub>, -P(R<sup>3</sup>)<sub>2</sub>, -SOR<sup>3</sup>, -SO<sub>2</sub>R<sup>3</sup>, and -NO<sub>2</sub>; or adjacent R groups together can form a 5- or 6-membered cycloalkyl, aryl, or heteroaryl ring.

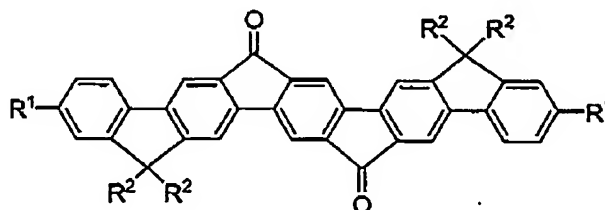
$R^2$  is the same or different at each occurrence and is selected from  $C_1$ - $C_{20}$  alkyl,  $C_2$ - $C_{20}$  alkenyl,  $C_2$ - $C_{20}$  alkynyl,  $C_1$ - $C_{20}$  alkoxy,  $C_1$ - $C_{20}$  oxyalkyl,  $C_2$ - $C_{20}$  oxyalkenyl,  $C_2$ - $C_{20}$  oxyalkynyl,  $C_1$ - $C_{20}$  fluorinated alkyl,  $C_2$ - $C_{20}$  fluorinated alkenyl,  $C_1$ - $C_{20}$  fluorinated oxyalkyl,  $C_2$ - $C_{20}$  fluorinated oxyalkenyl,  $C_2$ - $C_{20}$  fluorinated oxyalkynyl, heteroalkyl, heteroalkenyl, heteroalkynyl, -CN, -OR<sup>3</sup>, -CO<sub>2</sub>R<sup>3</sup>, -SR<sup>3</sup>, -N(R<sup>3</sup>)<sub>2</sub>, -P(R<sup>3</sup>)<sub>2</sub>, -SOR<sup>3</sup>, -SO<sub>2</sub>R<sup>3</sup>, and -NO<sub>2</sub>; or adjacent  $RR^2$  groups together can form a 5- or 6-membered cycloalkyl or heterocycloalkyl ring, and

$R^3$  is a substituent on a heteroatom which can be the same or different at each occurrence and is selected from hydrogen, alkyl, aryl, heteroalkyl and heteroaryl; and

$n$  is greater than 2.

7. (Currently Amended) An electronic device according to Claim 56, wherein the device emits light having an emission maximum at a wavelength less than 500 nm.

8. (Currently Amended) A compound having the structure:



$R^1$  is the same or different at each occurrence and is selected from hydrogen,  $C_1$ - $C_{20}$  alkyl,  $C_2$ - $C_{20}$  alkenyl,  $C_2$ - $C_{20}$  alkynyl,  $C_1$ - $C_{20}$  alkoxy,  $C_1$ - $C_{20}$  oxyalkyl,  $C_2$ - $C_{20}$  oxyalkenyl,  $C_2$ - $C_{20}$  oxyalkynyl,  $C_1$ - $C_{20}$  fluorinated alkyl,  $C_2$ - $C_{20}$  fluorinated alkenyl,  $C_1$ - $C_{20}$  fluorinated oxyalkyl,  $C_2$ - $C_{20}$  fluorinated oxyalkenyl,  $C_2$ - $C_{20}$  fluorinated oxyalkynyl, aryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroaryl, -CN, -OR<sup>3</sup>, -CO<sub>2</sub>R<sup>3</sup>, -SR<sup>3</sup>, -N(R<sup>3</sup>)<sub>2</sub>, -P(R<sup>3</sup>)<sub>2</sub>, -SOR<sup>3</sup>, -SO<sub>2</sub>R<sup>3</sup>, and -NO<sub>2</sub>; ~~or adjacent R groups together can form a 5- or 6-membered cycloalkyl, aryl, or heteroaryl ring.~~

$R^2$  is the same or different at each occurrence and is selected from  $C_1$ - $C_{20}$  alkyl,  $C_2$ - $C_{20}$  alkenyl,  $C_2$ - $C_{20}$  alkynyl,  $C_1$ - $C_{20}$  alkoxy,  $C_1$ - $C_{20}$  oxyalkyl,  $C_2$ - $C_{20}$  oxyalkenyl,  $C_2$ - $C_{20}$  oxyalkynyl,  $C_1$ - $C_{20}$  fluorinated alkyl,  $C_2$ - $C_{20}$  fluorinated alkenyl,  $C_1$ - $C_{20}$  fluorinated oxyalkyl,  $C_2$ - $C_{20}$  fluorinated oxyalkenyl,  $C_2$ - $C_{20}$  fluorinated oxyalkynyl, heteroalkyl, heteroalkenyl, heteroalkynyl, -CN, -OR<sup>3</sup>, -CO<sub>2</sub>R<sup>3</sup>, -SR<sup>3</sup>, -N(R<sup>3</sup>)<sub>2</sub>, -P(R<sup>3</sup>)<sub>2</sub>, -SOR<sup>3</sup>, -SO<sub>2</sub>R<sup>3</sup>, and -NO<sub>2</sub>; or adjacent RR<sup>2</sup> groups together can form a 5- or 6-membered cycloalkyl or heterocycloalkyl ring, and

$R^3$  is a substituent on a heteroatom which can be the same or different at each occurrence and is selected from hydrogen, alkyl, aryl, heteroalkyl and heteroaryl.